

021104  
13281

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S.PTO

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	520.39602CX1
First Inventor	OBARA, KIYOHIRO
Title	DATA MIGRATION METHOD, PROTOCOL CONVERTER AND SWITCHING APPARATUS USING IT
Express Mail Label No.	

## APPLICATION ELEMENTS

SEE MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450U.S.PTO  
17497 10/775190  
10120

- Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages: 26]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets: 5]
- Oath or Declaration [Total Sheets: 3]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & documents(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney *(when there is an assignee)*
11.  English Translation Document *(if applicable)*
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: **Letter Claiming Right of Priority and Credit Card Payment**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/780,411

Prior application information: Examiner: \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number	020457			<input type="checkbox"/> Correspondence address below
Name	ANTONELLI, TERRY, STOUT & KRAUS, LLP			
City	State		Zip Code	
Country	Telephone	(703) 312-6600	Fax	(703) 312-6666
Name (Print/Type)	Registration No. (Attorney/Agent)			29,621
Signature				Date

February 11, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

13281

021104

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL for FY 2004</b>		<b>Complete if Known</b>																																																																																																			
		Application Number	N/t yet assigned																																																																																																		
		Filing Date	February 11, 2004																																																																																																		
		First Named Inventor	OBARA, KIYOHIRO																																																																																																		
		Examiner Name																																																																																																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit																																																																																																			
<b>TOTAL AMOUNT OF PAYMENT</b>		<b>(\$)</b> 770	Attorney Docket No.	520.39602CX1																																																																																																	
<b>METHOD OF PAYMENT</b> (check all that apply)		<b>FEE CALCULATION</b> (continued)																																																																																																			
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		<b>3. ADDITIONAL FEES</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th rowspan="2" style="vertical-align: middle; text-align: center;">Fee Description</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>Surcharge – late filing fee or oath</td> </tr> <tr> <td>1052</td> <td>50</td> <td>Surcharge – late provisional filing fee or cover sheet</td> </tr> <tr> <td>1053</td> <td>130</td> <td>Non-English specification</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examination action</td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1,840* Requesting publication of SIR after Examiner action</td> </tr> <tr> <td>1251</td> <td>110</td> <td>Extension for reply within first month</td> </tr> <tr> <td>1252</td> <td>420</td> <td>Extension for reply within second month</td> </tr> <tr> <td>1253</td> <td>950</td> <td>Extension for reply within third month</td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>1,005 Extension for reply within fifth month</td> </tr> <tr> <td>1401</td> <td>330</td> <td>Notice of Appeal</td> </tr> <tr> <td>1402</td> <td>330</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>1403</td> <td>290</td> <td>145 Request for oral hearing</td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1,510 Petition to institute a public use proceeding</td> </tr> <tr> <td>1452</td> <td>110</td> <td>55 Petition to revive – unavoidable</td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>665 Petition to revive – unintentional</td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>665 Utility issue fee (or reissue)</td> </tr> <tr> <td>1502</td> <td>480</td> <td>240 Design issue fee</td> </tr> <tr> <td>1503</td> <td>640</td> <td>320 Plant issue fee</td> </tr> <tr> <td>1406</td> <td>130</td> <td>130 Petitions to the Commissioner</td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807 50 Processing fee under 37 CFR 1.17(q)</td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806 180 Submission of Information Disclosure Stmt</td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021 40 Recording each patent assignment per property (times number of properties)</td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))</td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810 385 For each additional invention to be examined (37 CFR § 1.129(b))</td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801 385 Request for Continued Examination (RCE)</td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802 900 Request for expedited examination of a design application</td> </tr> <tr> <td colspan="3" style="text-align: center;">Other fee (specify) _____</td> <td style="text-align: center;">Fee Paid</td> </tr> <tr> <td colspan="3" style="text-align: center;">*Reduced by Basic Filing Fee Paid</td> <td style="text-align: center;">SUBTOTAL (3) (\$)</td> </tr> </tbody> </table>			Large Entity	Small Entity	Fee Description	Fee Code (\$)	Fee Code (\$)	1051	130	Surcharge – late filing fee or oath	1052	50	Surcharge – late provisional filing fee or cover sheet	1053	130	Non-English specification	1812	2,520	For filing a request for ex parte reexamination	1804	920*	Requesting publication of SIR prior to Examination action	1805	1,840*	1,840* Requesting publication of SIR after Examiner action	1251	110	Extension for reply within first month	1252	420	Extension for reply within second month	1253	950	Extension for reply within third month	1254	1,480	Extension for reply within fourth month	1255	2,010	1,005 Extension for reply within fifth month	1401	330	Notice of Appeal	1402	330	Filing a brief in support of an appeal	1403	290	145 Request for oral hearing	1451	1,510	1,510 Petition to institute a public use proceeding	1452	110	55 Petition to revive – unavoidable	1453	1,330	665 Petition to revive – unintentional	1501	1,330	665 Utility issue fee (or reissue)	1502	480	240 Design issue fee	1503	640	320 Plant issue fee	1406	130	130 Petitions to the Commissioner	1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	1806	180	1806 180 Submission of Information Disclosure Stmt	8021	40	8021 40 Recording each patent assignment per property (times number of properties)	1809	770	2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))	1810	770	2810 385 For each additional invention to be examined (37 CFR § 1.129(b))	1801	770	2801 385 Request for Continued Examination (RCE)	1802	900	1802 900 Request for expedited examination of a design application	Other fee (specify) _____			Fee Paid	*Reduced by Basic Filing Fee Paid			SUBTOTAL (3) (\$)
Large Entity	Small Entity	Fee Description																																																																																																			
Fee Code (\$)	Fee Code (\$)																																																																																																				
1051	130	Surcharge – late filing fee or oath																																																																																																			
1052	50	Surcharge – late provisional filing fee or cover sheet																																																																																																			
1053	130	Non-English specification																																																																																																			
1812	2,520	For filing a request for ex parte reexamination																																																																																																			
1804	920*	Requesting publication of SIR prior to Examination action																																																																																																			
1805	1,840*	1,840* Requesting publication of SIR after Examiner action																																																																																																			
1251	110	Extension for reply within first month																																																																																																			
1252	420	Extension for reply within second month																																																																																																			
1253	950	Extension for reply within third month																																																																																																			
1254	1,480	Extension for reply within fourth month																																																																																																			
1255	2,010	1,005 Extension for reply within fifth month																																																																																																			
1401	330	Notice of Appeal																																																																																																			
1402	330	Filing a brief in support of an appeal																																																																																																			
1403	290	145 Request for oral hearing																																																																																																			
1451	1,510	1,510 Petition to institute a public use proceeding																																																																																																			
1452	110	55 Petition to revive – unavoidable																																																																																																			
1453	1,330	665 Petition to revive – unintentional																																																																																																			
1501	1,330	665 Utility issue fee (or reissue)																																																																																																			
1502	480	240 Design issue fee																																																																																																			
1503	640	320 Plant issue fee																																																																																																			
1406	130	130 Petitions to the Commissioner																																																																																																			
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)																																																																																																			
1806	180	1806 180 Submission of Information Disclosure Stmt																																																																																																			
8021	40	8021 40 Recording each patent assignment per property (times number of properties)																																																																																																			
1809	770	2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																			
1810	770	2810 385 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																			
1801	770	2801 385 Request for Continued Examination (RCE)																																																																																																			
1802	900	1802 900 Request for expedited examination of a design application																																																																																																			
Other fee (specify) _____			Fee Paid																																																																																																		
*Reduced by Basic Filing Fee Paid			SUBTOTAL (3) (\$)																																																																																																		
<input checked="" type="checkbox"/> Deposit Account: <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tr><td>Deposit Account Number</td><td>01-2135</td></tr> <tr><td>Deposit Account Name</td><td>Antonelli, Terry, Stout &amp; Kraus, LLP</td></tr> </table>		Deposit Account Number	01-2135	Deposit Account Name	Antonelli, Terry, Stout & Kraus, LLP																																																																																																
Deposit Account Number	01-2135																																																																																																				
Deposit Account Name	Antonelli, Terry, Stout & Kraus, LLP																																																																																																				
<b>The Director is authorized to:</b> (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application. <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.																																																																																																					
<b>FEE CALCULATION</b>																																																																																																					
<b>1. BASIC FILING FEE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th rowspan="2" style="vertical-align: middle; text-align: center;">Fee Description</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>385 Utility filing fee</td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002 170 Design filing fee</td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003 265 Plant filing fee</td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004 385 Reissue filing fee</td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005 80 Provisional filing fee</td> </tr> <tr> <td colspan="2" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td style="text-align: right;">385</td> </tr> </tbody> </table>					Large Entity	Small Entity	Fee Description	Fee Code (\$)	Fee Code (\$)	1001	770	385 Utility filing fee	1002	340	2002 170 Design filing fee	1003	530	2003 265 Plant filing fee	1004	770	2004 385 Reissue filing fee	1005	160	2005 80 Provisional filing fee	<b>SUBTOTAL (1)</b>		385																																																																										
Large Entity	Small Entity	Fee Description																																																																																																			
Fee Code (\$)	Fee Code (\$)																																																																																																				
1001	770	385 Utility filing fee																																																																																																			
1002	340	2002 170 Design filing fee																																																																																																			
1003	530	2003 265 Plant filing fee																																																																																																			
1004	770	2004 385 Reissue filing fee																																																																																																			
1005	160	2005 80 Provisional filing fee																																																																																																			
<b>SUBTOTAL (1)</b>		385																																																																																																			
<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Fee from Extra Claims below</th> <th rowspan="2" style="vertical-align: middle; text-align: center;">Fee Paid</th> </tr> <tr> <th>Total Claims</th> <th>-20** =</th> <th>x 18 =</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>15</td> <td>=</td> </tr> <tr> <td>Indep. Claims</td> <td>3</td> <td>=</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td>=</td> </tr> <tr> <td colspan="2" style="text-align: right;"><b>SUBTOTAL (2) \$</b></td> <td></td> </tr> </tbody> </table>					Fee from Extra Claims below		Fee Paid	Total Claims	-20** =	x 18 =	Total Claims	15	=	Indep. Claims	3	=	Multiple Dependent		=	<b>SUBTOTAL (2) \$</b>																																																																																	
Fee from Extra Claims below		Fee Paid																																																																																																			
Total Claims	-20** =		x 18 =																																																																																																		
Total Claims	15	=																																																																																																			
Indep. Claims	3	=																																																																																																			
Multiple Dependent		=																																																																																																			
<b>SUBTOTAL (2) \$</b>																																																																																																					

\*\*or number previously paid, if greater; For Reissues, see above.

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>		
Name (Print/Type)	Carl I. Brundidge	Registration No. (Attorney/Agent)	29,621	Telephone
Signature			Date	703-312-6600
02/11/2004				

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.